

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P203568

Luminaire Tested: **LD6B30D010 EU6B30509727 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B30D010 EU6B30509727 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1692.5 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

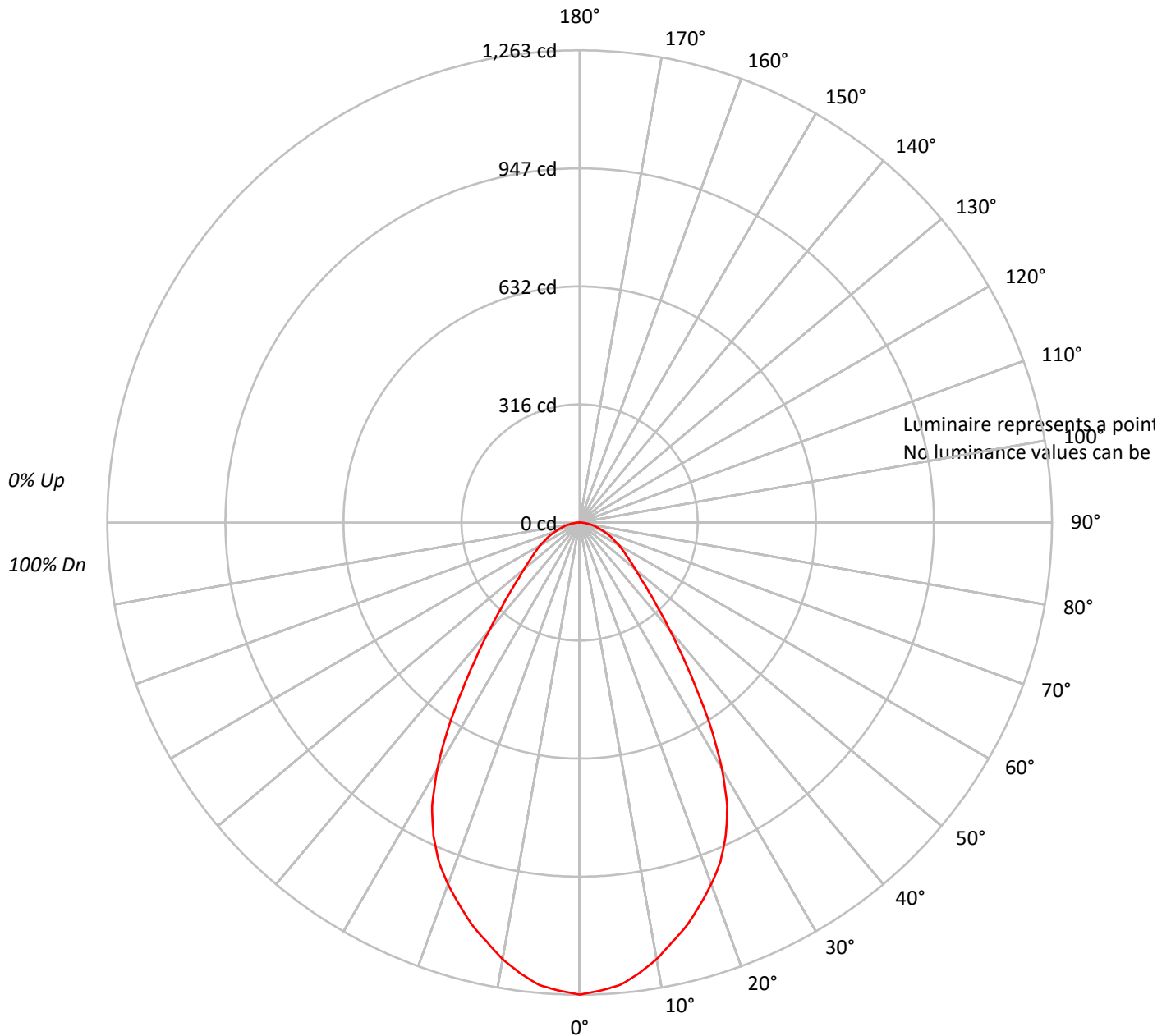
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	111	108	104	101		109	105	103	100		101	99	97			98	96	94			89
2	104	97	92	88		101	96	91	87		92	88	85			89	86	83			79
3	97	88	82	77		95	87	81	76		84	79	75			82	77	74			71
4	90	81	74	68		88	80	73	68		77	72	67			75	70	66			64
5	85	74	67	61		83	73	66	61		71	65	61			69	64	60			58
6	79	68	61	56		78	68	61	56		66	60	55			64	59	55			53
7	75	63	56	51		73	63	56	51		61	55	50			60	54	50			48
8	70	59	52	47		69	58	51	47		57	51	46			56	50	46			44
9	66	55	48	43		65	54	48	43		53	47	43			52	47	43			41
10	63	51	45	40		62	51	44	40		50	44	40			49	44	40			38

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.7	6.9
10°-20°	312.5	18.5
20°-30°	419.6	24.8
30°-40°	344.2	20.3
40°-50°	206.7	12.2
50°-60°	137.3	8.1
60°-70°	92.1	5.4
70°-80°	49.5	2.9
80°-90°	14.0	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	848.7	50.1
0°-40°	1192.9	70.5
0°-60°	1536.9	90.8
0°-90°	1692.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1692.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1263	
5°	1242	117
15°	1114	312
25°	924	420
35°	546	344
45°	261	207
55°	152	137
65°	93	92
75°	47	50
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1262.9
2.5°	1253.5
5°	1241.9
7.5°	1216.2
10°	1185.8
12.5°	1148.5
15°	1113.5
17.5°	1071.5
20°	1029.4
22.5°	982.8
25°	924.4
27.5°	854.4
30°	761.0
32.5°	655.9
35°	546.2
37.5°	452.9
40°	373.5
42.5°	310.5
45°	261.4
47.5°	221.8
50°	193.7
52.5°	170.4
55°	151.7
57.5°	135.4
60°	121.4
62.5°	105.0
65°	93.4
67.5°	79.4
70°	67.7
72.5°	56.0
75°	46.7
77.5°	37.3
80°	28.0
82.5°	21.0
85°	11.7
87.5°	4.7
90°	0.0



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— 0°-180°







(END OF REPORT)